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25, 1986, now abandoned, which is entitled to foreign priority from West German Application No. P3506703.9-52 filed February 26, 1985, entitled "A Method of Sequence Analysis of Nucleic Acids in Particular Deoxyribonucleic Acid (DNA) and Ribonucleic Acid (RNA), As Well As A Support for Performing the Method and A Method for Producing the Support," each of which is hereby incorporated in their entirety herein, including all drawings, tables, and claims.

**In the Claims:**

Please cancel all currently pending claims provided in the original specification and enter the following new claims. These new claims are reflected in the specification filed herewith.

20. A support for use in detecting the presence of a target nucleic acid comprising an optically smooth, flat light-reflecting surface, said surface having a nucleic acid complementary to said target nucleic acid bound thereto.
21. The support according to claim 20, wherein said nucleic acid bound to said surface is bound by covalent bonding.
22. The support according to claim 20 comprises silicon or glass.
23. The support according to claim 20, wherein said light reflecting surface comprises a layer of aluminum or silicon.
24. The support according to claim 23, wherein said layer of aluminum or silicon is a layer of a compound selected from the group consisting of silicon dioxide, silicon monoxide, and aluminum oxide.
25. The support according to claim 24, wherein said support further comprises an anti-reflection layer.
26. The support according to claim 20 wherein said nucleic acid bound to said surface is indirectly bound through an intermediate molecule bound to said surface.
27. The support according to any one of claims 20-26, wherein said support further comprises said target nucleic acid bound to said complementary nucleic acid, wherein reflectance from said